

Patent Claims

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1. Method for operating a telecommunication system that contains data traffic units (5) and clock handling units (1-4) that can comprise both lines as well as assemblies, whereby at least respectively one part can be redundantly operated,
5 whereby the method comprises the following steps:
defining a redundancy either for the at least one part of the data traffic unit (5) or for the at least one part of the clock handling units (1-4), and establishing the defined redundancy for the at least one part for which the redundancy has been defined, characterized by the step:
10 establishing a redundancy corresponding to the defined redundancy for the other at least one part for which the redundancy has not been defined.
 2. Method according to claim 1, characterized in that the telecommunication system is an ATM telecommunication system.
 3. Method according to claim 1 or 2, characterized in that one of the steps
15 of establishing contains a step of writing at least one data bank, which can be a central or a local data bank.
 4. Method according to one of the claims 1 through 3, characterized in that the step of establishing a redundancy corresponding to the defined redundancy contains a step of determining the defined redundancy.
 - 20 5. Method according to claim 4, characterized in that the step of determining the defined redundancy is software-controlled.
 6. Method according to one of the claims 1 through 5, characterized in that the step of establishing the redundancy corresponding to the defined redundancy sets this redundancy hardware-controlled.
 - 25 7. Method according to one of the claims 1 through 6, characterized in that the method further comprises a step of selecting one of the redundant data traffic units and clock handling units.
 8. Method according to one of the claims 1 through 7, characterized in that the step of defining the redundancy ensues for at least a part of the data traffic units
30 and the redundancy corresponding thereto is established for at least a part of the clock handling units.

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9. Method according to one of the claims 1 through 8, characterized in that at least one of the defined redundancies or redundancies corresponding thereto is a board redundancy.
10. Method according to one of the claims 1 through 9, characterized in 5 that at least one of the defined redundancies or redundancies corresponding thereto is a line redundancy.
11. Method according to one of the claims 1 through 10, characterized in that at least one of the defined redundancies or redundancies corresponding thereto is a 1:N redundancy.
- 10 12. Method according to claim 11, characterized in that the 1:N redundancy is a 1:1 redundancy.
13. Method according to one of the claims 1 through 12, characterized in that at least one of the defined redundancies or redundancies corresponding thereto is a 1+1 redundancy.
- 15 14. Method according to one of the claims 1 through 13, characterized in that at least one part of the data traffic units comprises at least one interface card (5).
15. Method according to one of the claims 1 through 14, characterized in that the at least one part of the clock handling units comprises at least one interface card (5).
- 20 16. Method according to one of the claims 1 through 15, characterized in that the at least one part of the clock handling units comprises a clock generator (1-4).
17. Telecommunication system, comprising:
data traffic units (5) for the implementation of a data traffic, whereby the data traffic units can comprise lines and assemblies and can be redundantly operated,
25 clock handling units (1-4) for clock handling, whereby the clock handling units can comprise lines and assemblies and can be redundantly operated,
means for establishing a redundancy of at least one part of the data traffic units (5),
and
means for establishing a redundancy of at least one part of the clock handling units (1-4),
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characterized in that the means for establishing are connected to one another such that they enable the establishing of the redundancy of one of the means for establishing by transferring the redundancy of the other means for establishing.

18. Telecommunication system according to claim 17, characterized in
5 that the data traffic units comprise at least one interface card (5).

19. Telecommunication system according to claim 17 or 18, characterized in that the clock handling units comprise at least one interface card (5).

20. Telecommunication according to one of the claims 17 through 19,
characterized in that the telecommunication system is an ATM telecommunication
10 system.

21. Telecommunication system according to claim 20, characterized in that the clock handling units comprise at least one clock generator (1-4).

22. Telecommunication according to one of the claims 17 through 21,
characterized in that at least one of the means for establishing is fashioned such that it
15 has access to a central data bank.

23. Telecommunication system according to one of the claims 17 through
22, characterized in that at least one of the means for establishing is fashioned such
that it has access to a local data bank.

24. Telecommunication system according to one of the claims 17 through
20 23, characterized in that at least one of the means for establishing comprises means
for determining a redundancy.

25. Telecommunication system according to claim 24, characterized in that the means for establishing are software-controlled.

26. Telecommunication system according to one of the claims 17 through
25, characterized in that the means for establishing are fashioned such that they set the
redundancies hardware-controlled.

27. Telecommunication system according to one of the claims 17 through
26, characterized in that the means for establishing comprise means for selecting one
of the redundant units.

30 28. Telecommunication system according to one of the claims 17 through
27, characterized in that the means for establishing the redundancy of at least one part

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of the clock handling units establish a redundancy corresponding to the redundancy of the data traffic units.

29. Telecommunication system according to one of the claims 17 through 28, characterized in that at least one of the redundancies is a board redundancy.

5 30. Telecommunication system according to one of the claims 17 through 29, characterized in that at least one of the redundancies is a line redundancy.

31. Telecommunication system according to one of the claims 17 through 30, characterized in that at least one of the redundancies is a 1:N redundancy.

10 32. Telecommunication system according to claim 31, characterized in that the 1:N redundancy is a 1:1 redundancy.

33. Telecommunication system according to one of the claims 17 through 32, characterized in that at least one of the redundancies is a 1+1 redundancy.